



# FEMA



Prepared by  
*Nikki Hathaway*

# FEMA Region 6 Weather Threat Briefing

Friday, September 28, 2018

**Disclaimer:** The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to [www.weather.gov/srh](http://www.weather.gov/srh).

# Summary of the Upcoming Week



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## River Flood Status

- River flooding will continue on the Trinity River in N TX through Monday and on the Nueces River in S TX through early next week.

## Today

- Isolated heavy rainfall will be possible across the Middle to Upper Texas Coast.

## Tomorrow through Tuesday

- Relatively quiet weather is expected through this weekend.
- Heavy rain/flash flooding possible beginning Monday over portions of W NM and Far W TX.

## Tropical Outlook

- Kirk is moving toward the west near 12 mph. A westward to west-northwestward motion is expected through the weekend.
  - Rapid weakening is expected on Friday into Saturday after Kirk moves over the eastern Caribbean Sea.
  - No impacts to FEMA Region 6 are expected.
- Post-Tropical Cyclone remains a powerful non-tropical low. Leslie is expected to again become a subtropical storm, or possibly a tropical storm, today or tomorrow.
  - Formation chance through 48 hours...high...90%
  - Formation chance through 5 days...high...90%
- Hurricane Rosa is forecast to move towards the Baja Peninsula early next week as a Tropical Storm. This system will likely bring moisture/heavy rain into the Southwest beginning early next week and as another system moves into the area, could keep heavy rain over NM and W TX into most of next week.

# FEMA Region 6 Threat Matrix

Sept 28, 2018 – Oct 2, 2018



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| DAY / THREAT                | FRI                      | SAT                  | SUN                  | MON                  | TUE                 |
|-----------------------------|--------------------------|----------------------|----------------------|----------------------|---------------------|
| Severe Storms               |                          |                      |                      |                      |                     |
| Heavy Rain / Flash Flooding | Middle to Upper TX coast |                      |                      | W NM/ Far W TX       | W NM/ Far W TX      |
| Fire Weather                |                          |                      |                      |                      |                     |
| Tropical Weather            |                          |                      |                      |                      |                     |
| River Flooding              | Nueces River (S TX)      | Nueces River (S TX)  | Nueces River (S TX)  | Nueces River (S TX)  | Nueces River (S TX) |
|                             | Trinity River (N TX)     | Trinity River (N TX) | Trinity River (N TX) | Trinity River (N TX) |                     |

|  |                                   |
|--|-----------------------------------|
|  | No Weather Threats Expected       |
|  | Very Common – Happens Often       |
|  | Common – Happens Frequently       |
|  | Uncommon – A Few Times a Year     |
|  | Rare – Once Every 1-5 Years       |
|  | Very Rare – Once Every 5-10 Years |

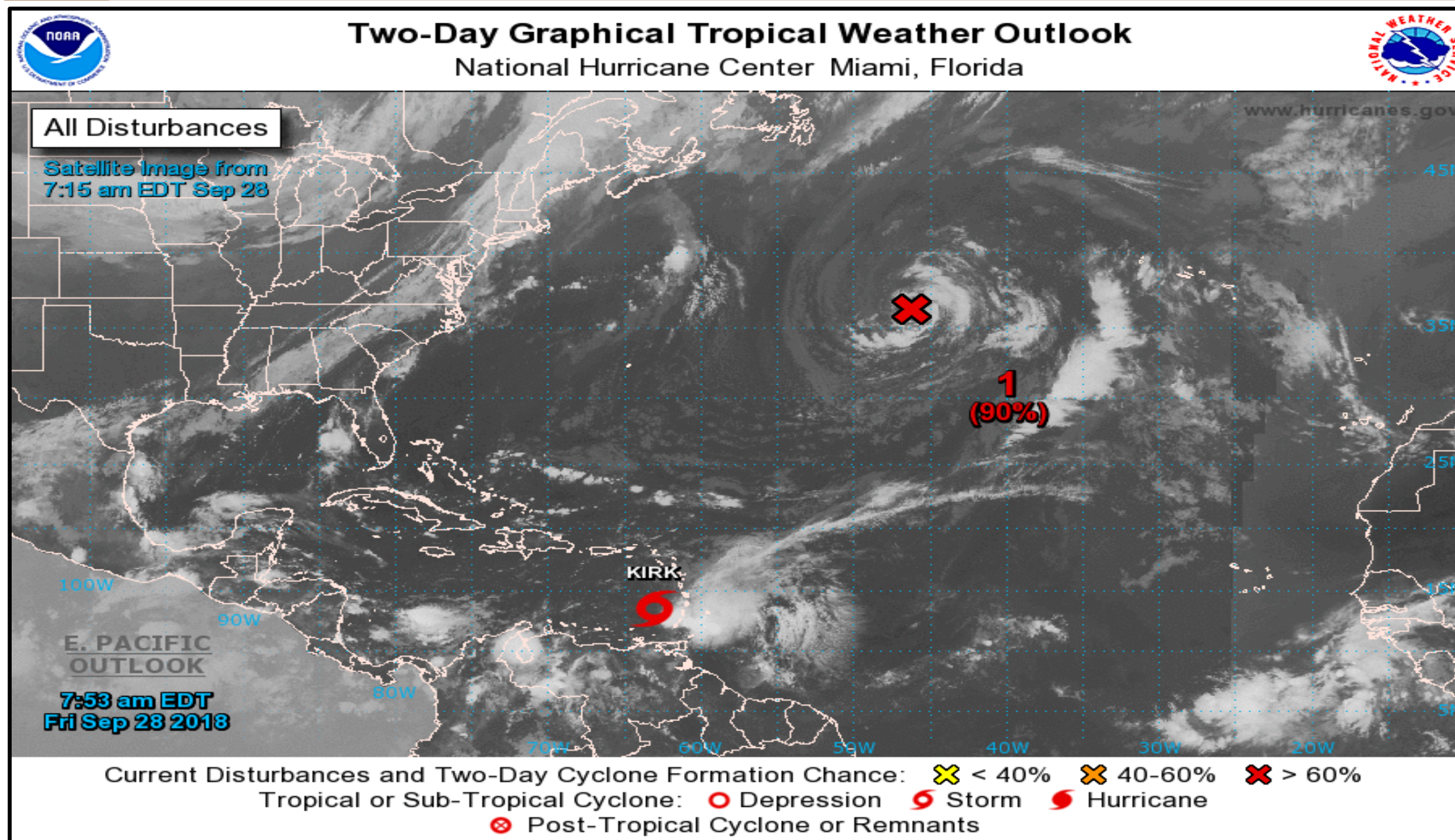
*\*Threat levels are based on FEMA Region 6 criteria.  
State or local threat level criteria may differ.\*  
For more details on the colors in the threat matrix refer to the last slide in this briefing.*



# Tropical Weather Outlook – Atlantic/Gulf

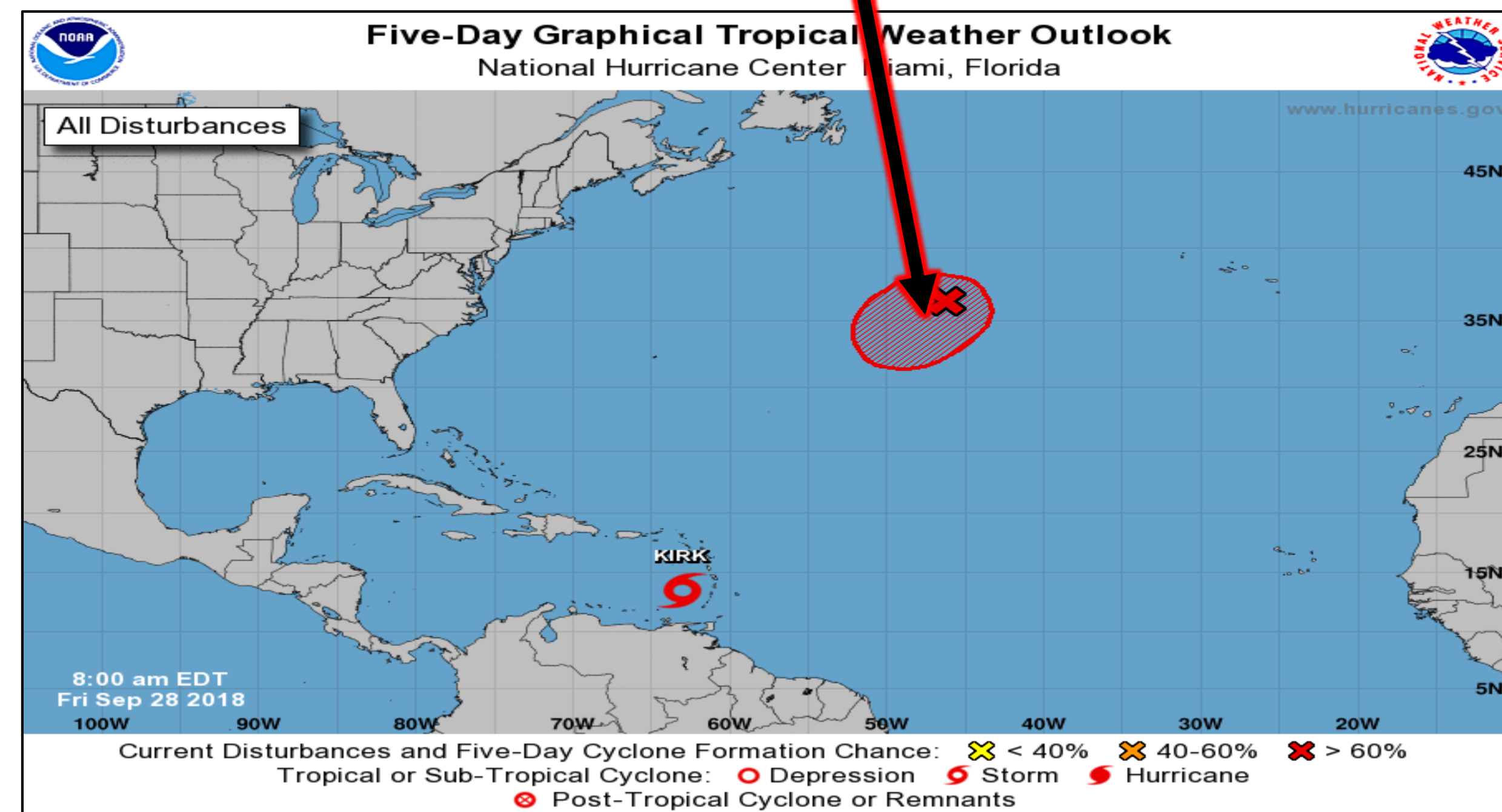


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See next slide for more information on Tropical Storm Kirk.

Post-Tropical Cyclone Leslie remains a powerful non-tropical low. Leslie is expected to again become a subtropical storm, or possibly a tropical storm, today or tomorrow.  
Formation chance through 48 hours...high...90%  
Formation chance through 5 days...high...90%

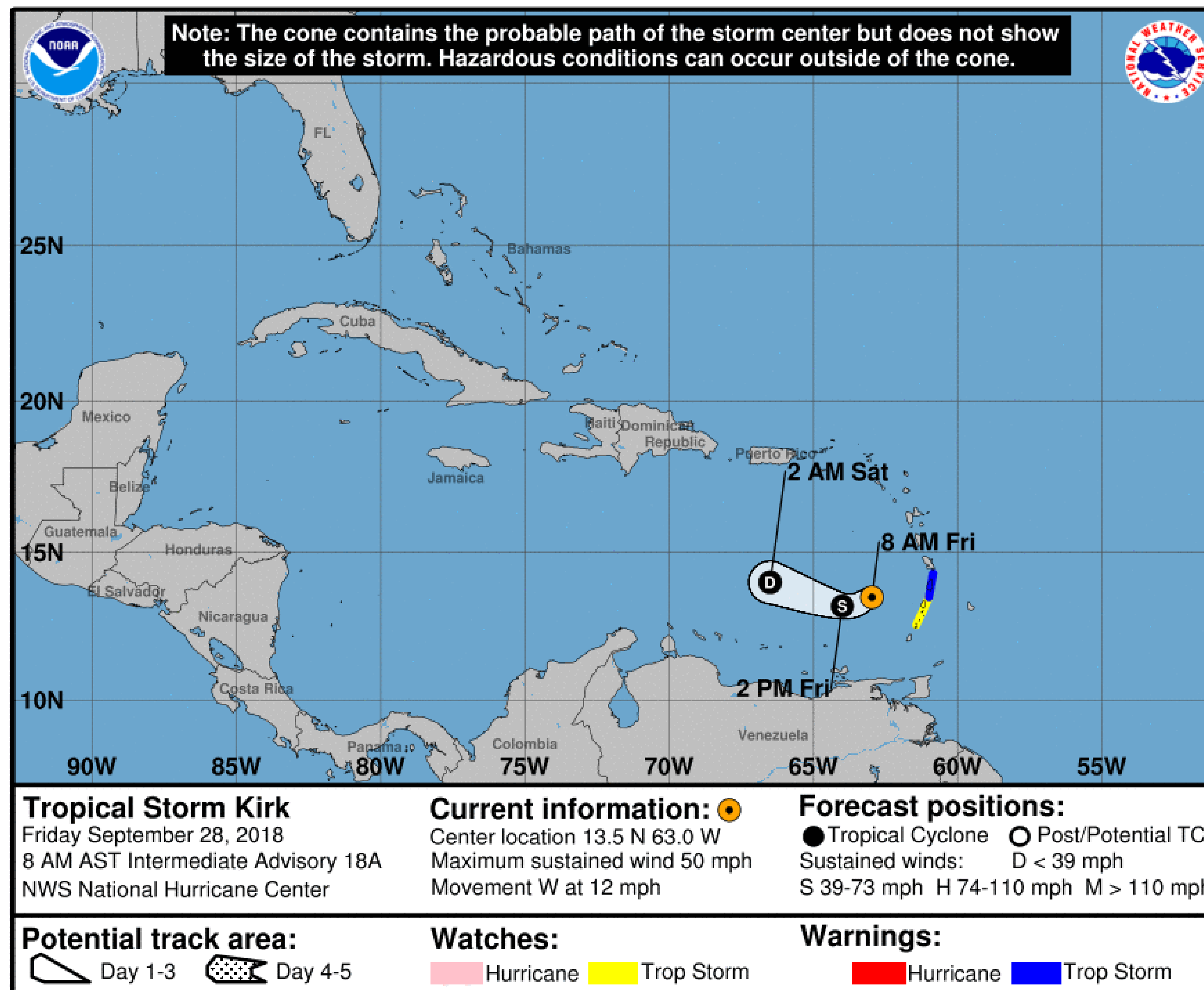




# Tropical Storm Kirk



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**Kirk is moving toward the west near 12 mph. A westward to west-northwestward motion is expected through the weekend.**

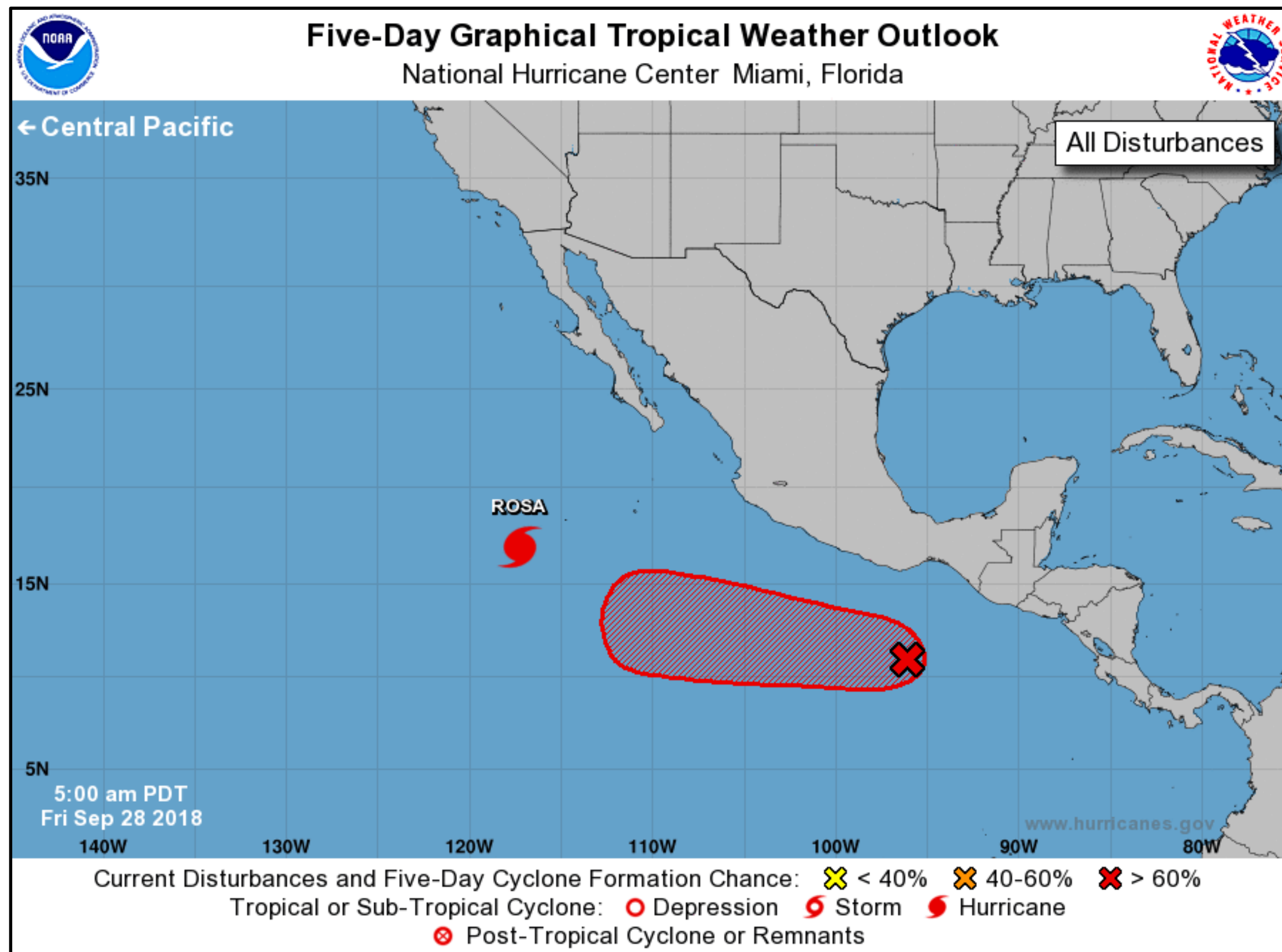
**Rapid weakening is expected on Friday into Saturday after Kirk moves over the eastern Caribbean Sea.**

**No impacts to FEMA Region 6 are expected.**

# Tropical Weather Outlook – Pacific



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**Hurricane Rosa is forecast to move towards the Baja Peninsula early next week as a Tropical Storm. This system will likely bring moisture/heavy rain into the Southwest beginning early next week and as another system moves into the area, could keep heavy rain over NM and WTX into most of next week.**





# 5-Day Precipitation Forecast & River Flood Status



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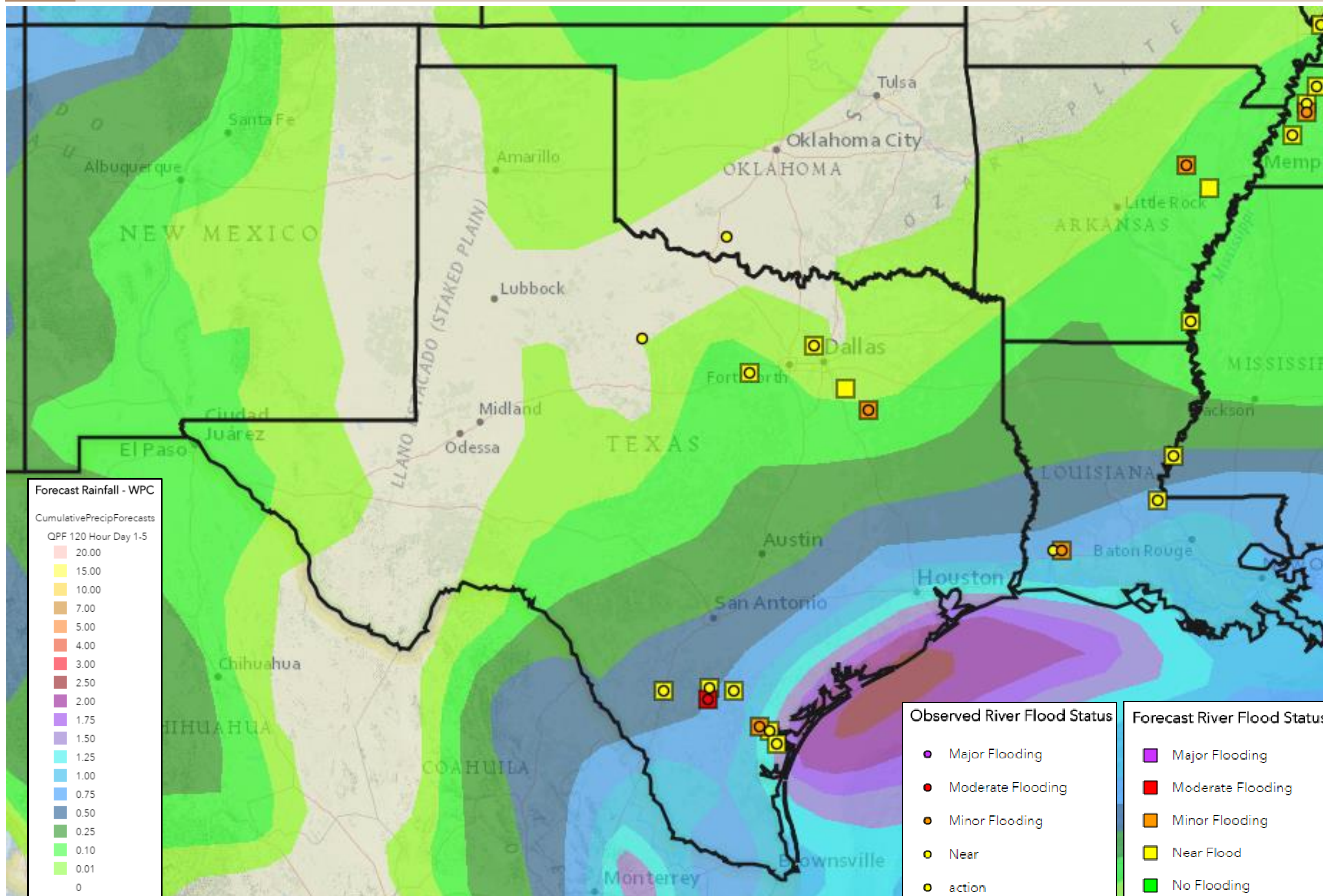
*Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall*

**Water will continue to drain from the San Antonio and Nueces Rivers; continued inflows into Lake Corpus.**

**Water is still routing through the Trinity River; it is cresting at Trinidad today and will continue a slow fall at that location.**

**Water is arriving at Lake Livingston. Points downstream on the Trinity will see some rises, but are not expected to rise into flood.**

**No additional river flooding is expected with the forecasted rainfall in the next five days.**



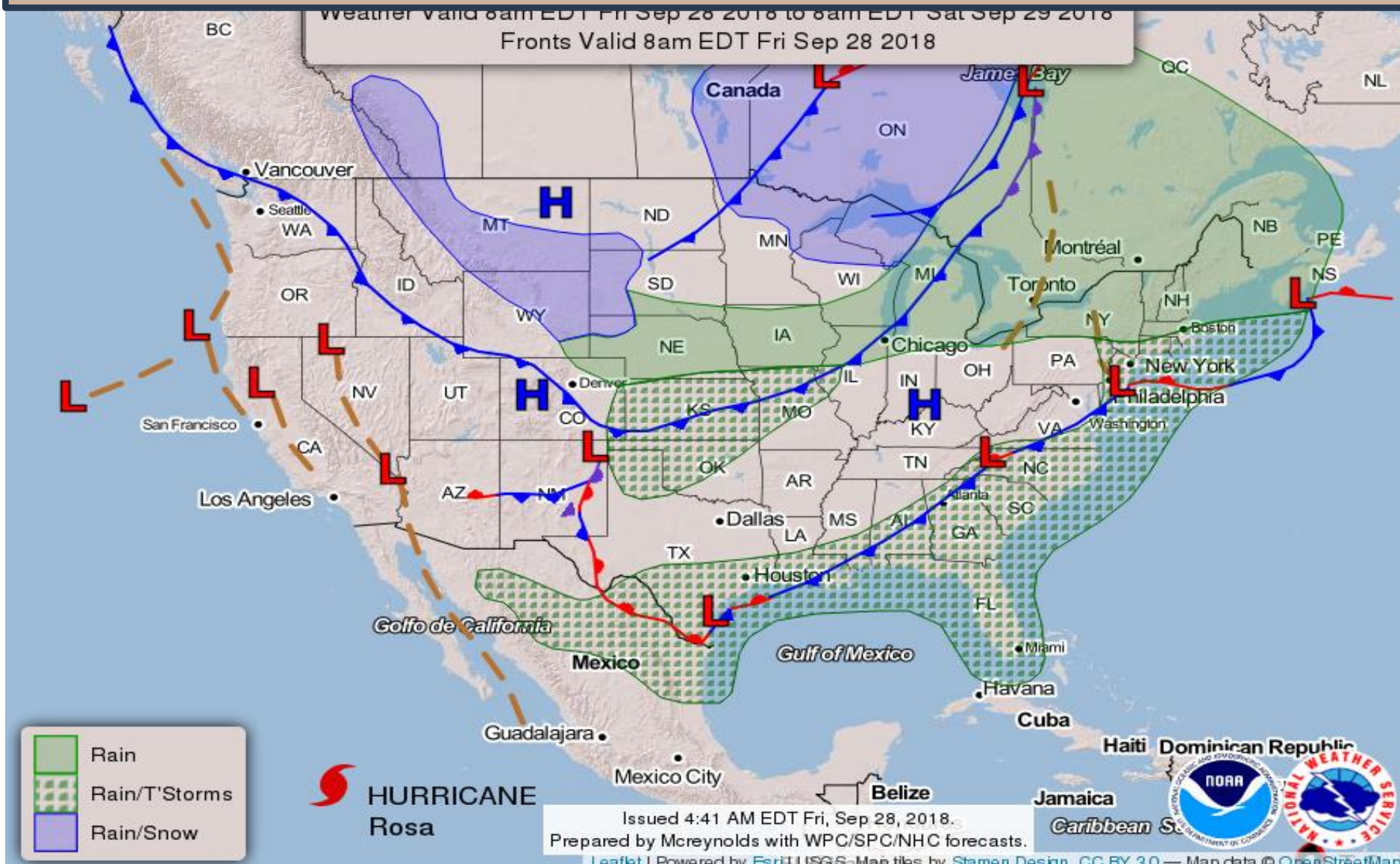


# Today's Weather

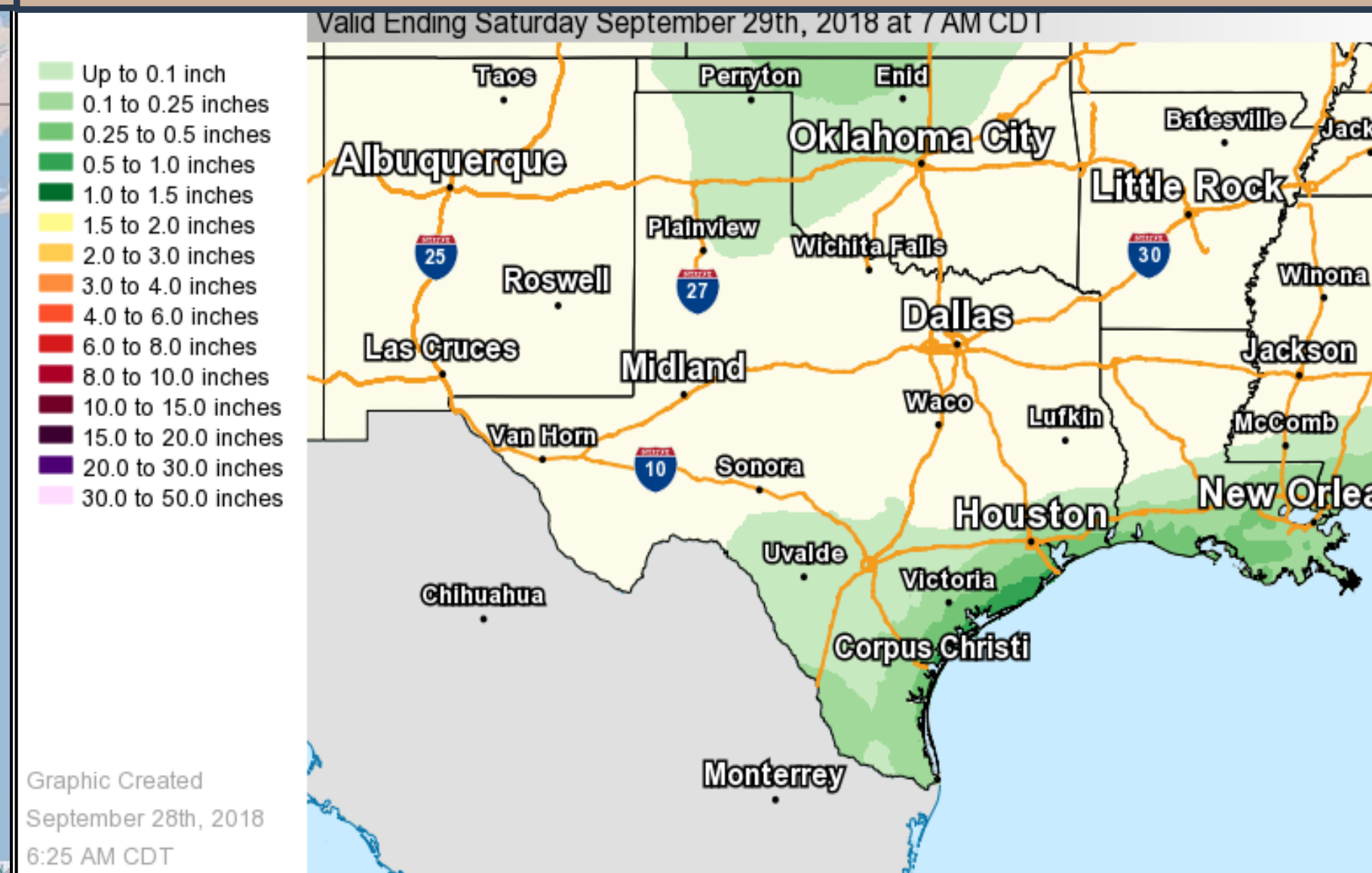


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## Forecast Chart



## Forecast Rainfall

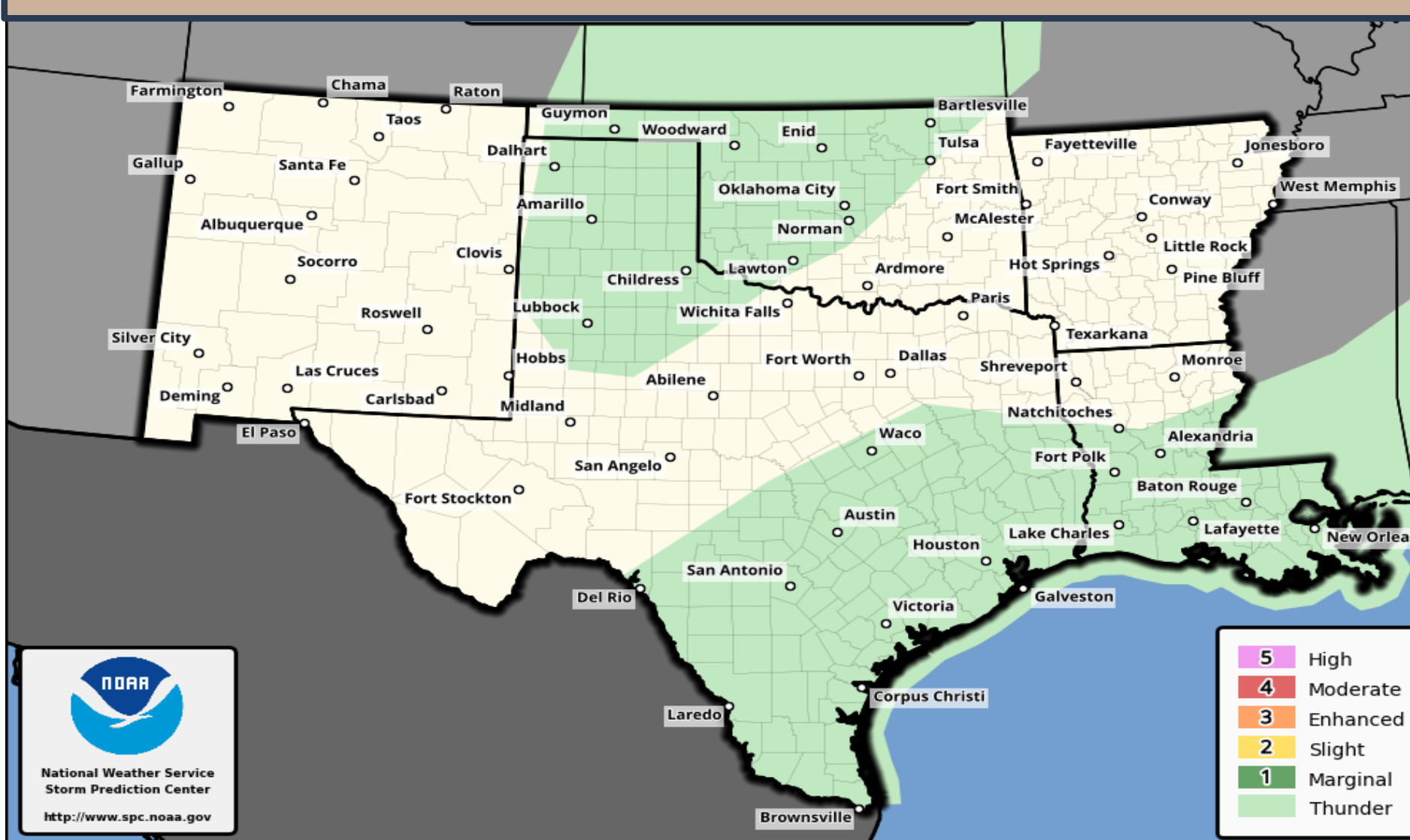


Isolated heavy rainfall will be possible across the Middle to Upper Texas Coast.

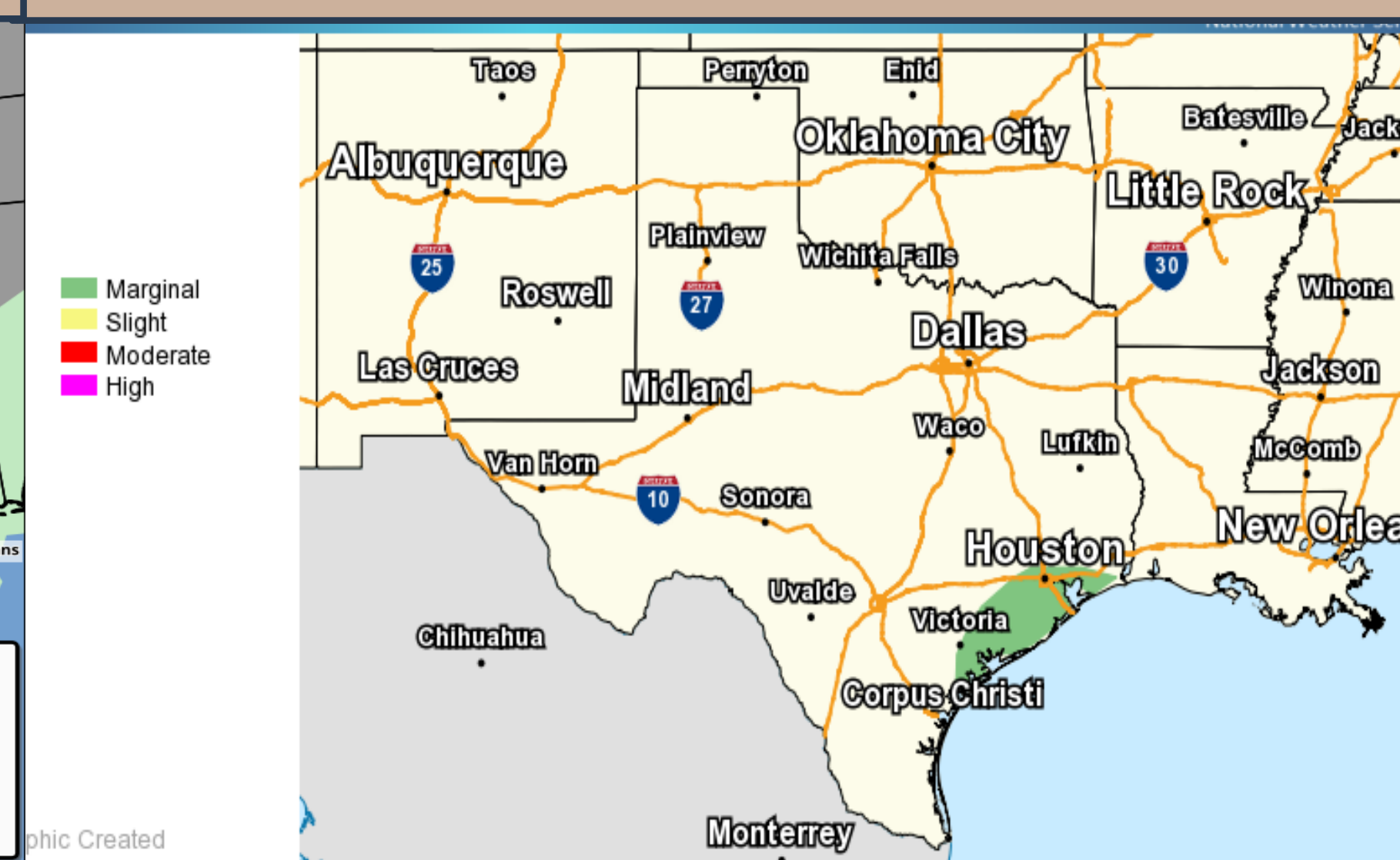
River Flooding is ongoing across portions of STX.

The Trinity River at Trinidad has crested and will continue to slowly fall.

## Severe Weather Outlook



## Excessive Rainfall Outlook



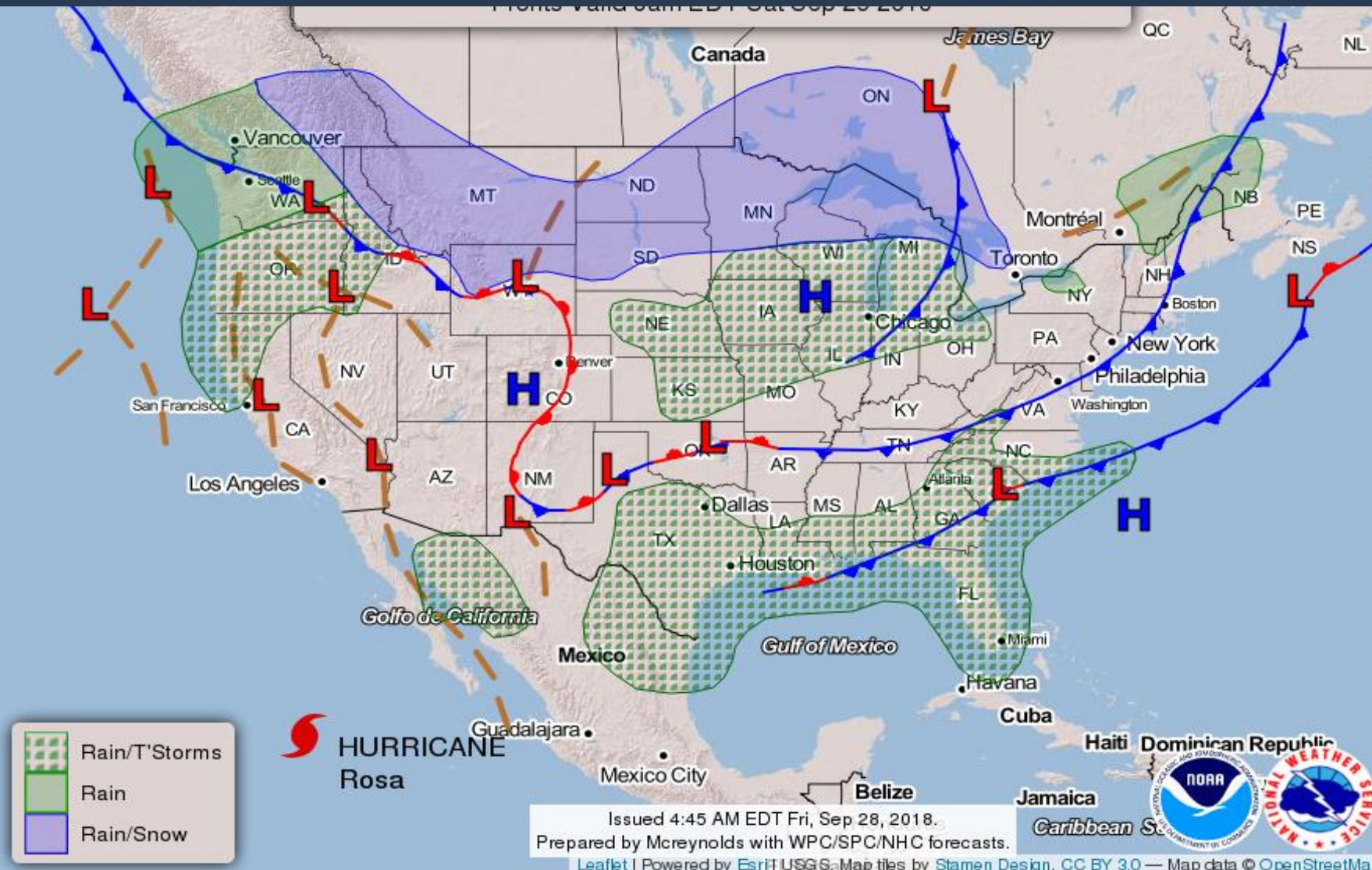


# Tomorrow's Weather

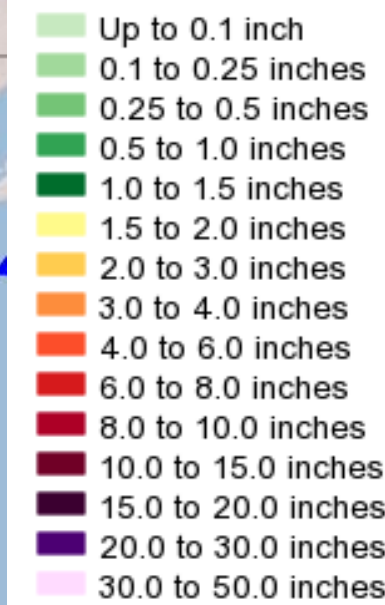


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## Forecast Chart



## Forecast Rainfall



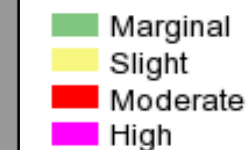
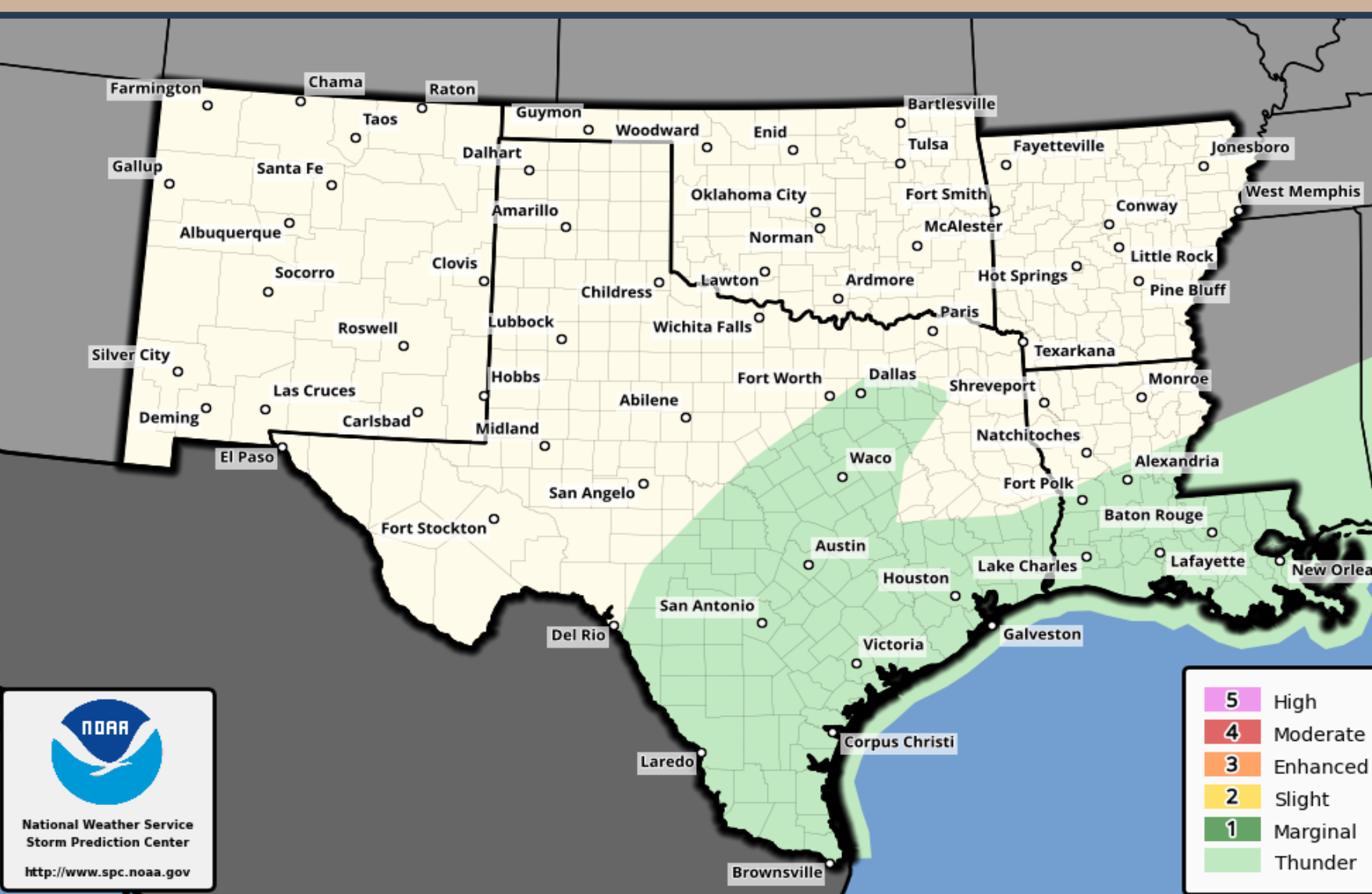
Graphic Created  
September 28th, 2018  
6:26 AM CDT

**River Flooding is ongoing  
across portions of STX.**

**The Trinity River at Trinidad  
will continue to slowly fall  
and should be out of flood  
stage late Monday.**

**No significant weather is  
expected.**

## Severe Weather Outlook



Graphic Created  
September 28th, 2018  
AM CDT

## Excessive Rainfall Outlook

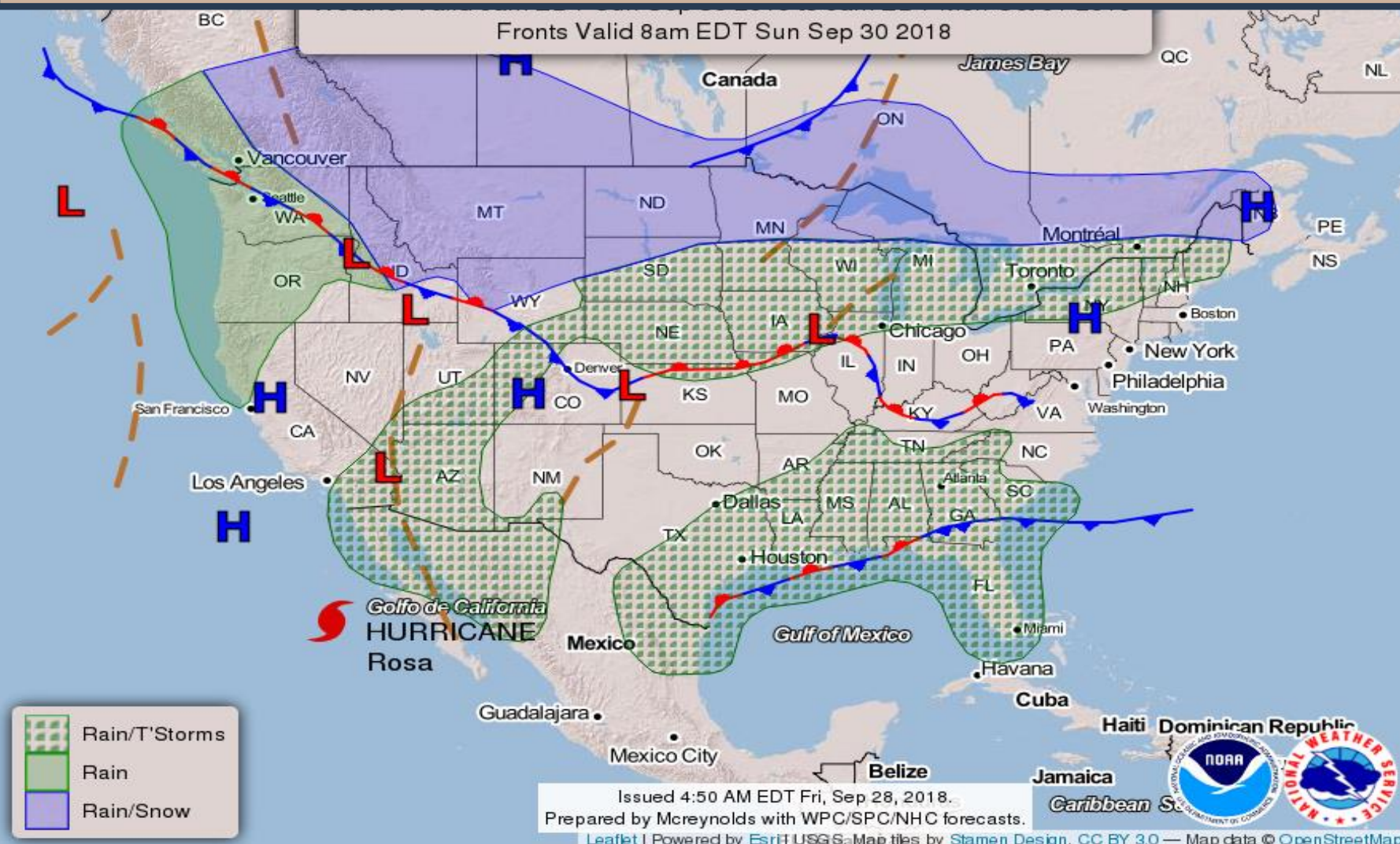


Graphic Created  
September 28th, 2018  
AM CDT



# Sunday's Weather

## Forecast Chart



## Forecast Rainfall



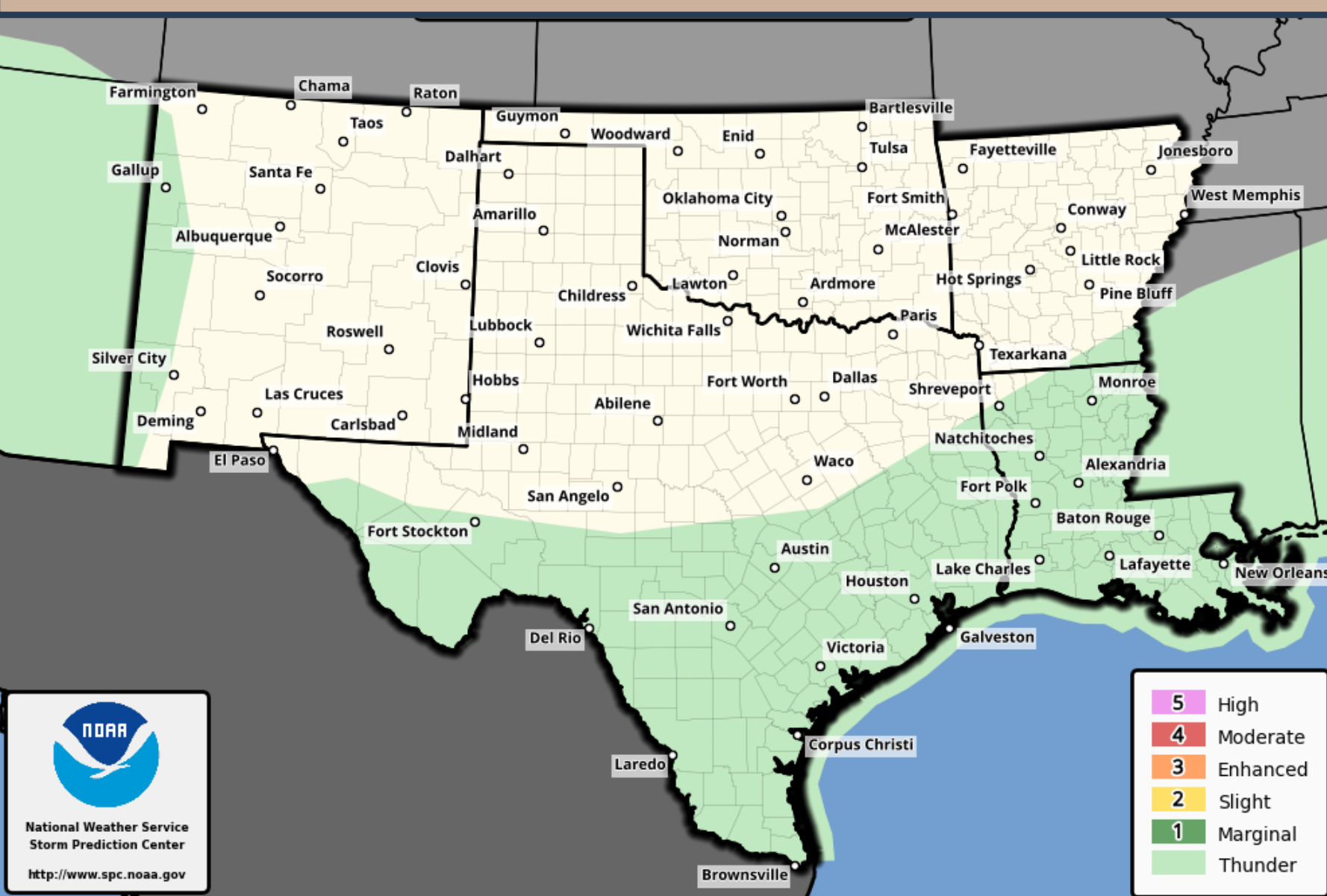
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**River Flooding is ongoing across portions of STX.**

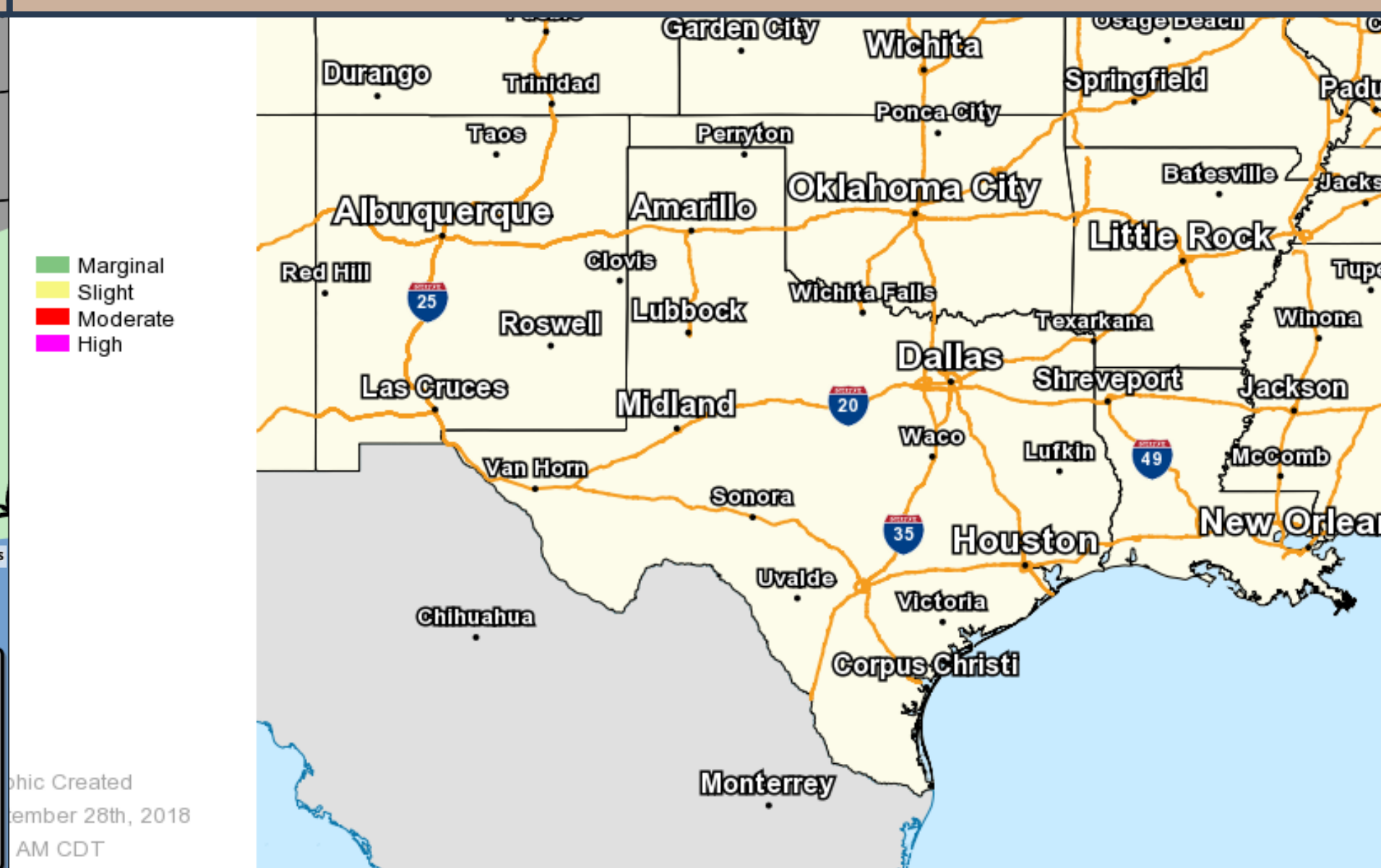
**The Trinity River at Trinidad will continue to slowly fall and should be out of flood stage late Monday.**

**No significant weather is expected.**

## Severe Weather Outlook



## Excessive Rainfall Outlook



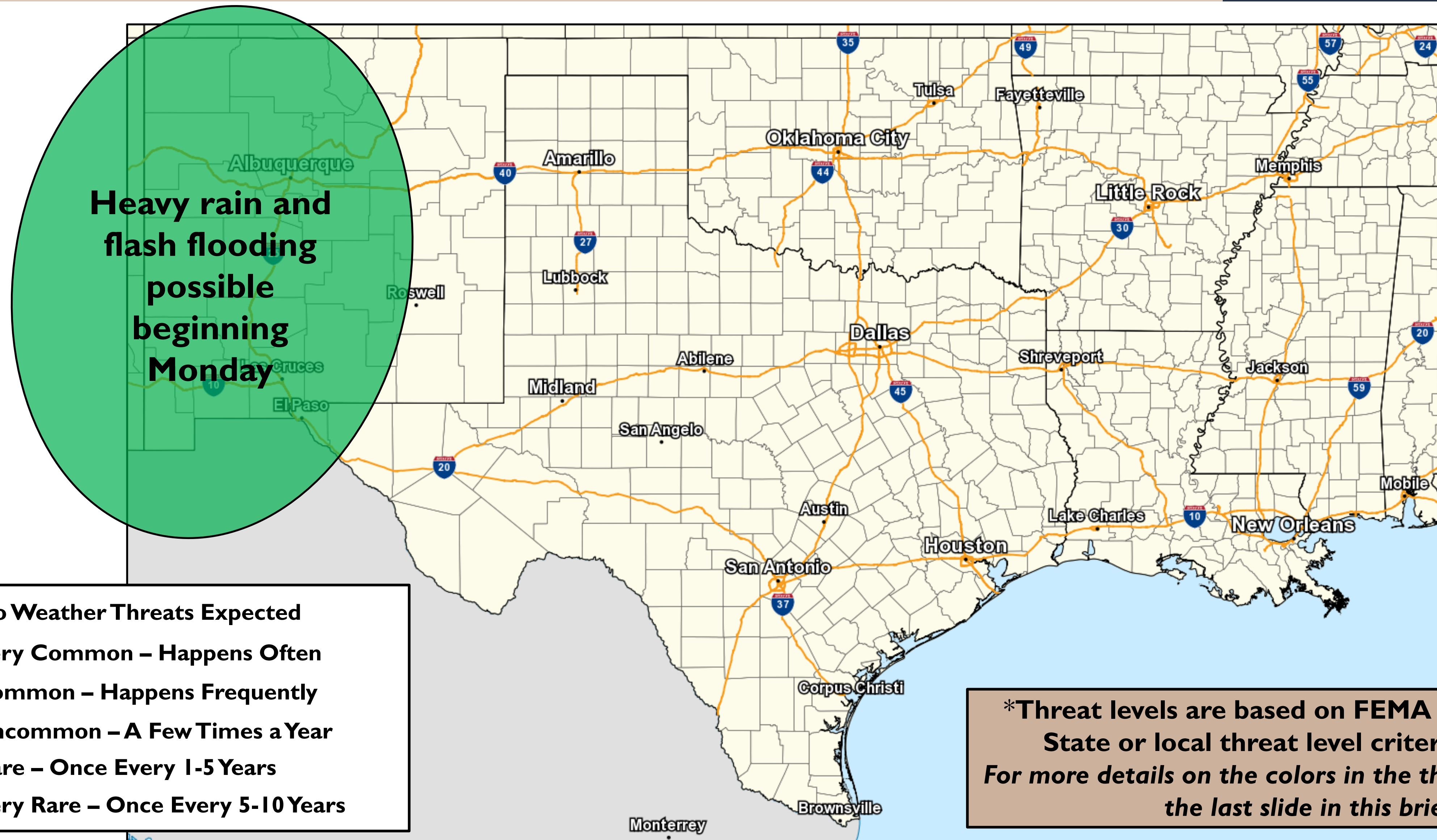


# Days 4-5 Weather Hazards

Monday - Tuesday



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**Heavy rain and  
flash flooding  
possible  
beginning  
Monday**

- No Weather Threats Expected
- Very Common – Happens Often
- Common – Happens Frequently
- Uncommon – A Few Times a Year
- Rare – Once Every 1-5 Years
- Very Rare – Once Every 5-10 Years

**\*Threat levels are based on FEMA Region 6 criteria.  
State or local threat level criteria may differ.\*  
For more details on the colors in the threat matrix refer to  
the last slide in this briefing.**

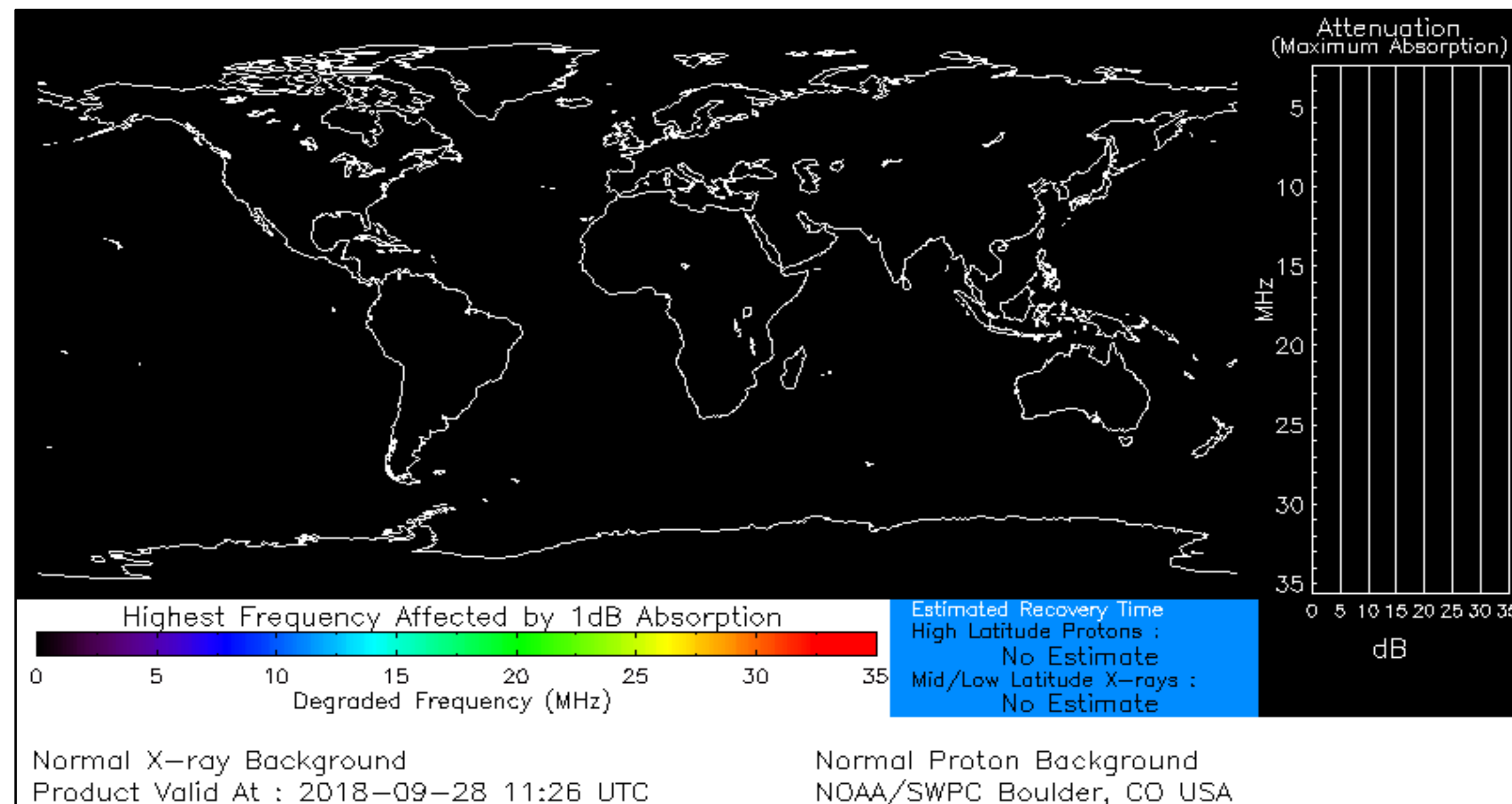


# Space Weather 3-Day Forecast



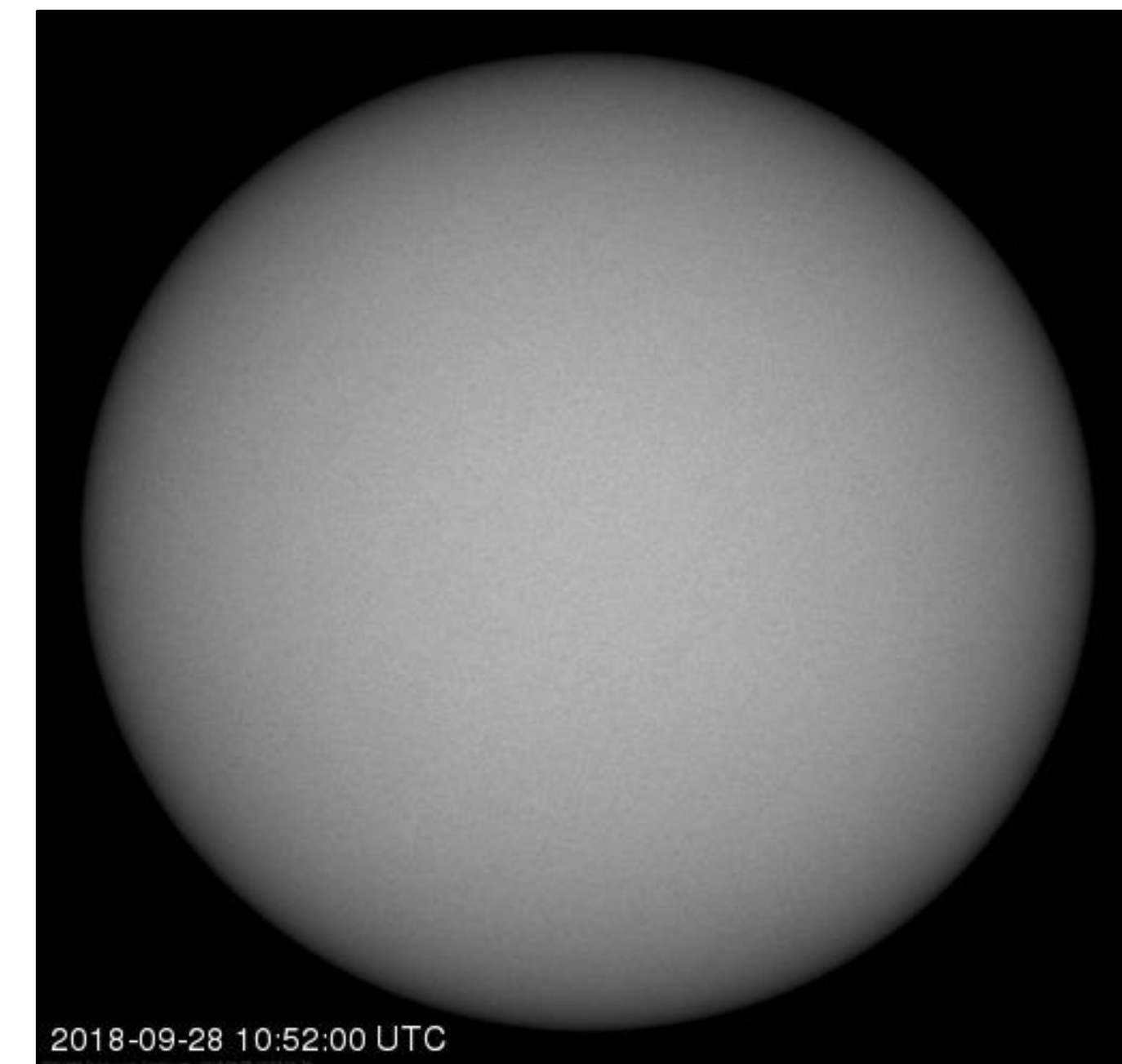
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|                                      | Friday                       | Saturday                     | Sunday                       |
|--------------------------------------|------------------------------|------------------------------|------------------------------|
| <b>Geomagnetic Storms</b>            | <b>Quiet</b><br>(Max Kp = 2) | <b>Quiet</b><br>(Max Kp = 2) | <b>Quiet</b><br>(Max Kp = 2) |
| <b>Solar Radiation Storm (S1-S5)</b> | 1%                           | 1%                           | 1%                           |
| <b>Radio Blackout (R1-R2)</b>        | 1%                           | 1%                           | 1%                           |
| <b>Radio Blackout (R3-R5)</b>        | 1%                           | 1%                           | 1%                           |



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)







# For more information, please contact:

**National Weather Service**  
Southern Region Headquarters  
Regional Operations Center  
Fort Worth, TX

Phone: (682) 703-3747

E-mail: [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)

Web: <http://www.weather.gov/srh>





| Weather “Threat” Matrix |  |   |  |
|-------------------------|--|---|--|
| Color                   | Definition   | Criteria  | Example(s)   |
| Green                   | <b>Very Common</b><br>Safety: Rarely a Direct Threat to Life and Property<br>Impact Potential: Typically Results in Little Inconvenience to Daily Routines   | Severe: Marginal Risk from SPC<br>Flooding: Minor flooding expected over localized areas<br>Tropical: None<br>Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active   | <ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX</li> </ul>   |
| Yellow                  | <b>Somewhat Common – Happens Frequently</b><br>Safety: Rarely a Direct Threat to Life and Property<br>Impact Potential: Typically Results in Some Inconvenience to Daily Life  | Severe: Slight Risk from SPC<br>Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas<br>Tropical: A weak tropical wave expected to move towards or near any coastline<br>Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook   | <ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail</li> </ul>   |
| Orange                  | <b>Uncommon – A Few Times a Year</b><br>Safety: Often Threatening to Life and Property, Some Damage Unavoidable<br>Impact Potential: Typically Results in Minor Disruption to Daily Life                                     | Severe: Enhanced Risk from SPC<br>Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas<br>Tropical: A Tropical Storm expected to move towards or near any coastline<br>Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions | <ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> <li>Some large fires reported, burn bans advertised, critical conditions expected</li> </ul> |
| Red                     | <b>Rare – Once every 1-5 Years</b><br>Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed<br>Impact Potential: Will likely result in Large Disruption to Daily Life                            | Severe: Moderate Risk from SPC<br>Flooding: Moderate flooding expected over a widespread area (including urban locations)<br>Tropical: A Hurricane expected to move towards or near any coastline<br>Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought  | <ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> <li>Large fires ongoing throughout the area with critical fire weather conditions expected to continue</li> </ul>                                    |
| Purple                  | <b>Very Rare – Once Every 5-10 Years</b><br>Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed<br>Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life | Severe: High Risk from SPC<br>Flooding: Major flooding expected over a widespread area (including urban locations)<br>Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline<br>Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought                            | <ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul>  |

**Criteria for the color codes in this briefing is to the left, please provide any feedback to**

**[sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)**